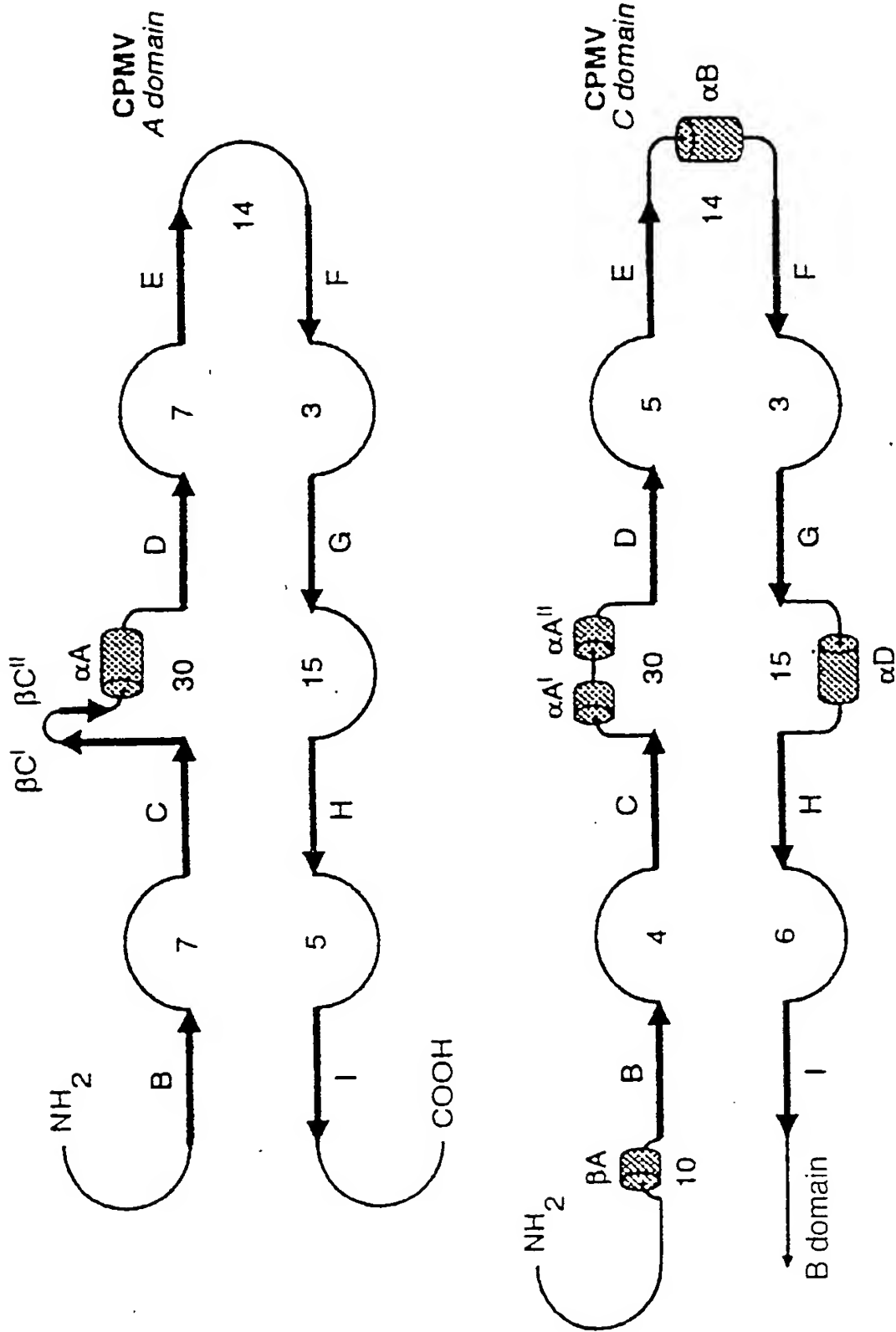
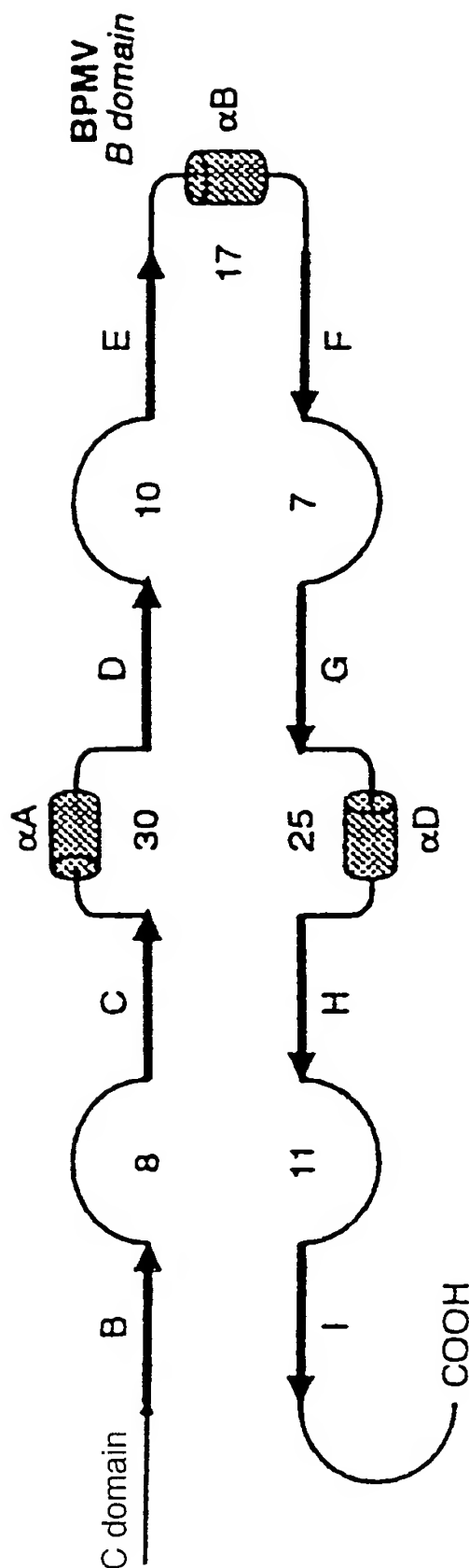
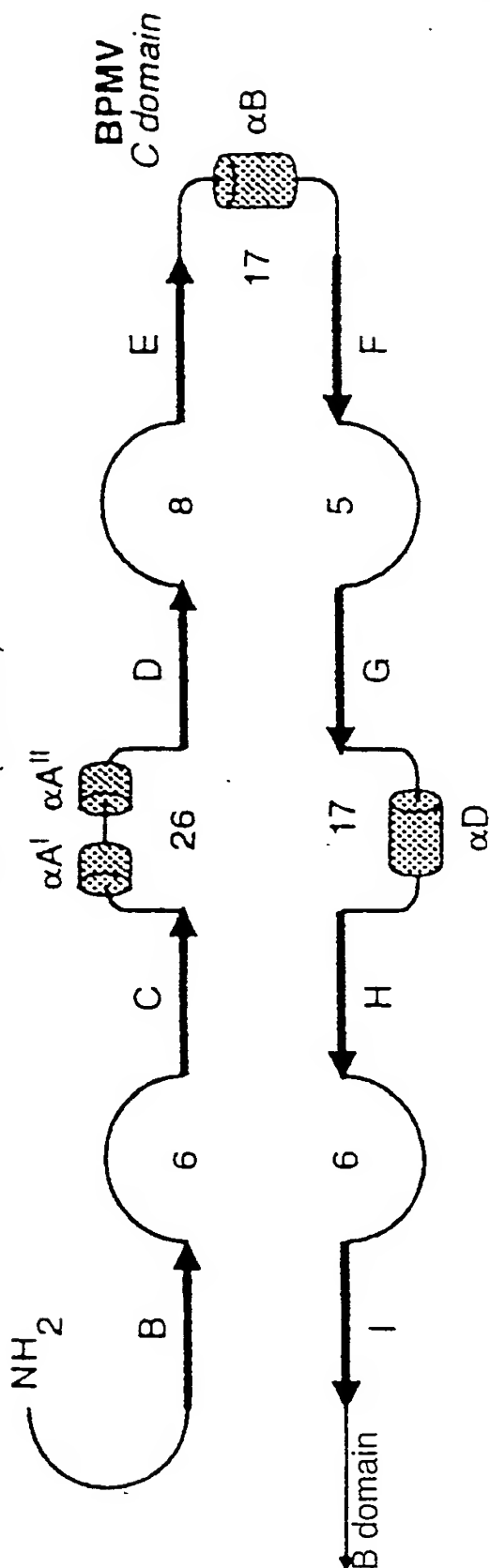


FIG. 1



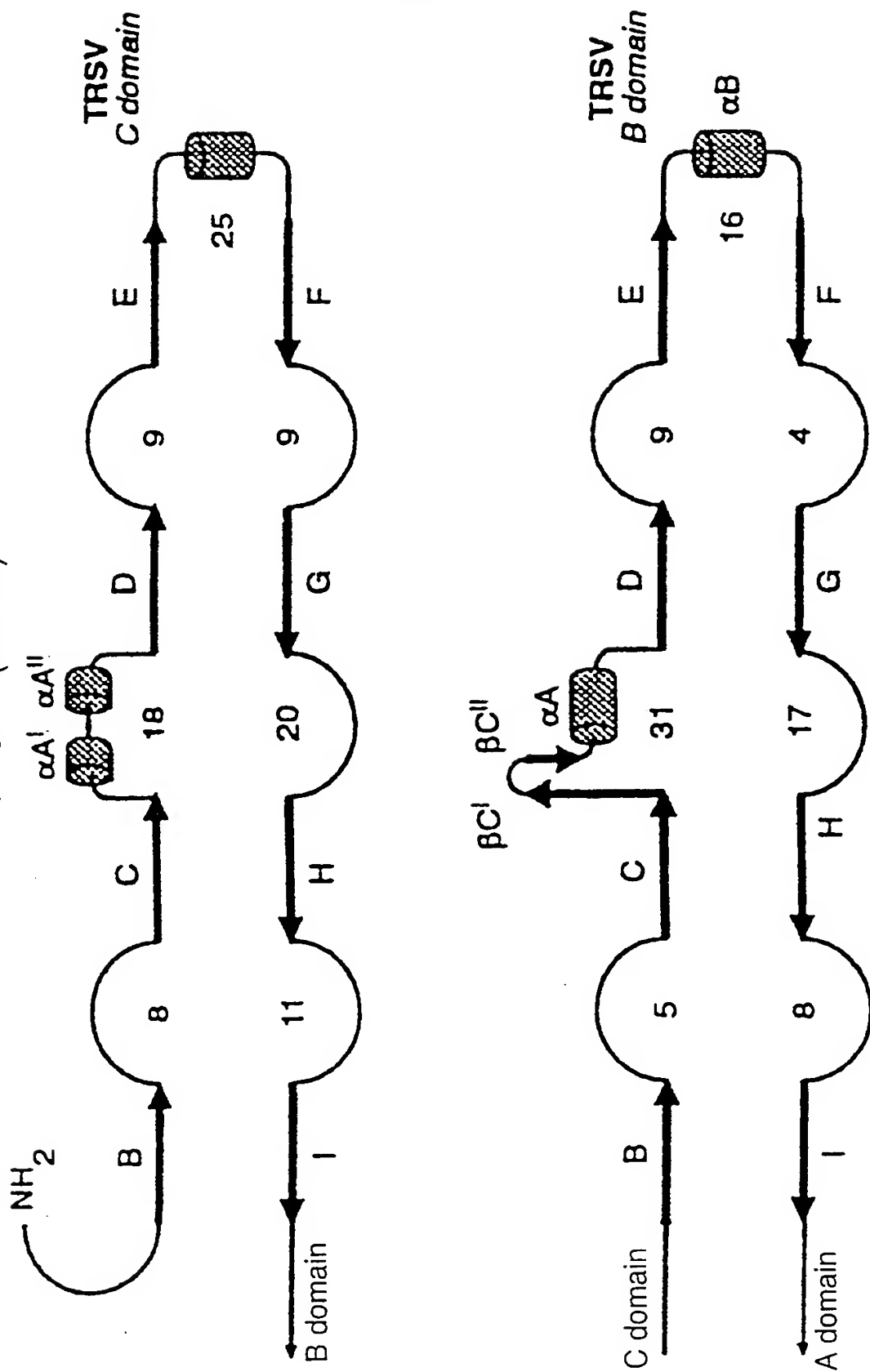
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FIG. 1(contd.)



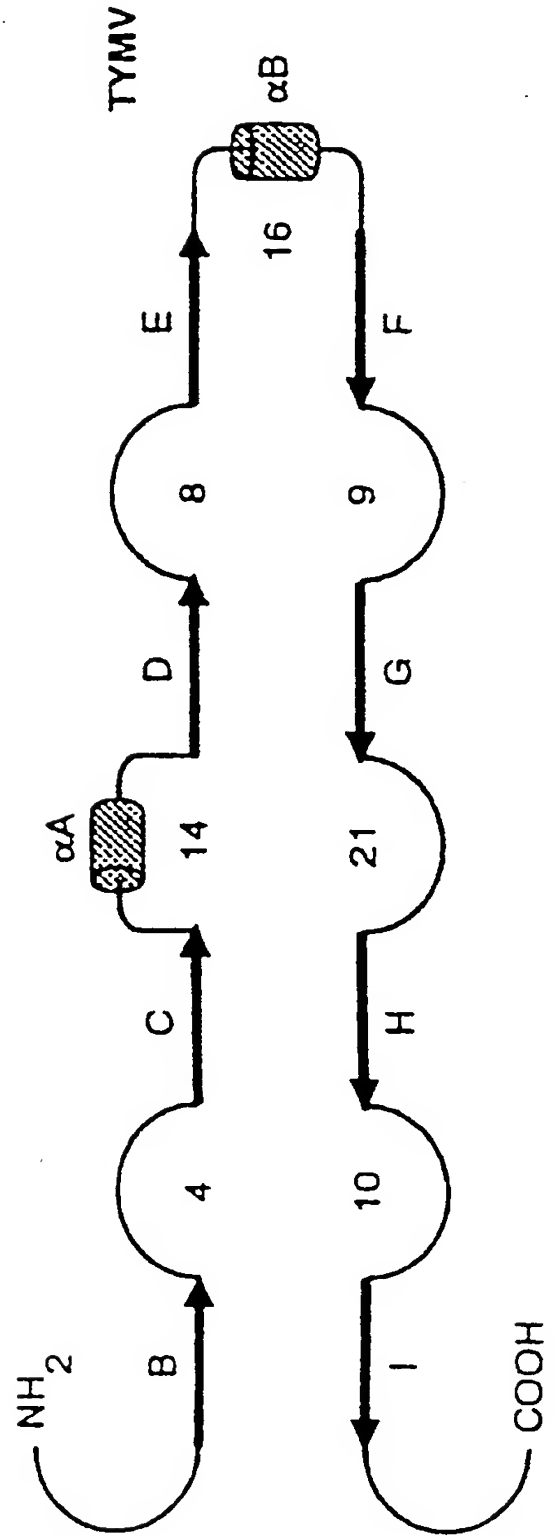
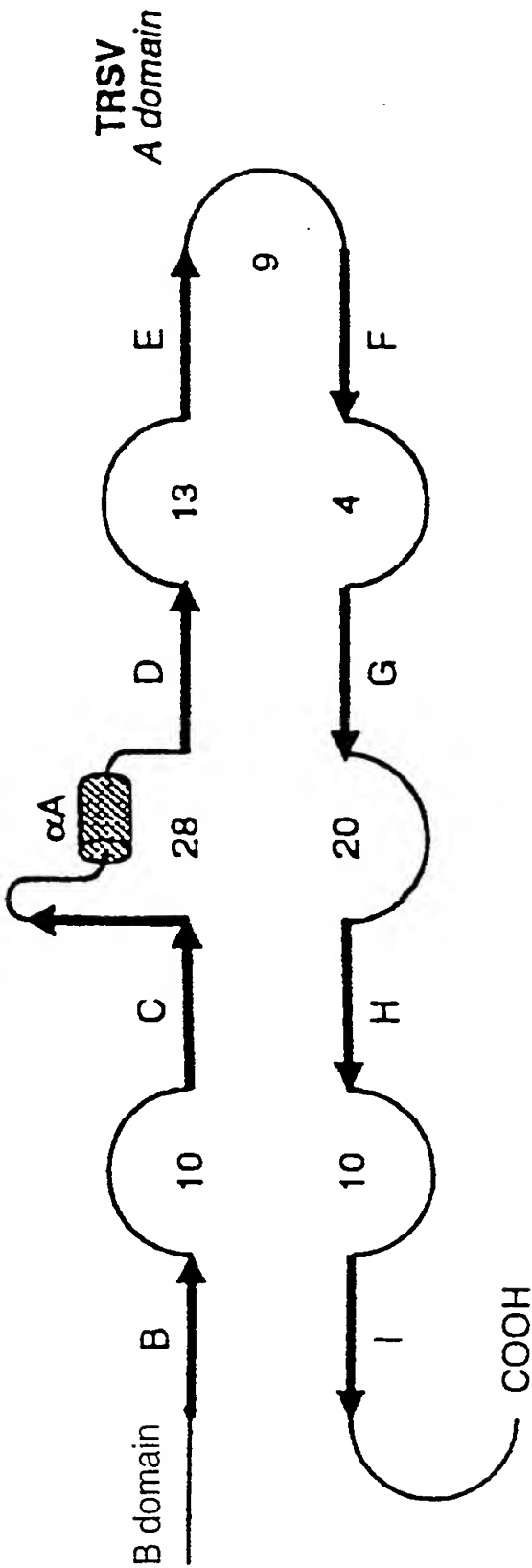
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FIG. 1(contd.)



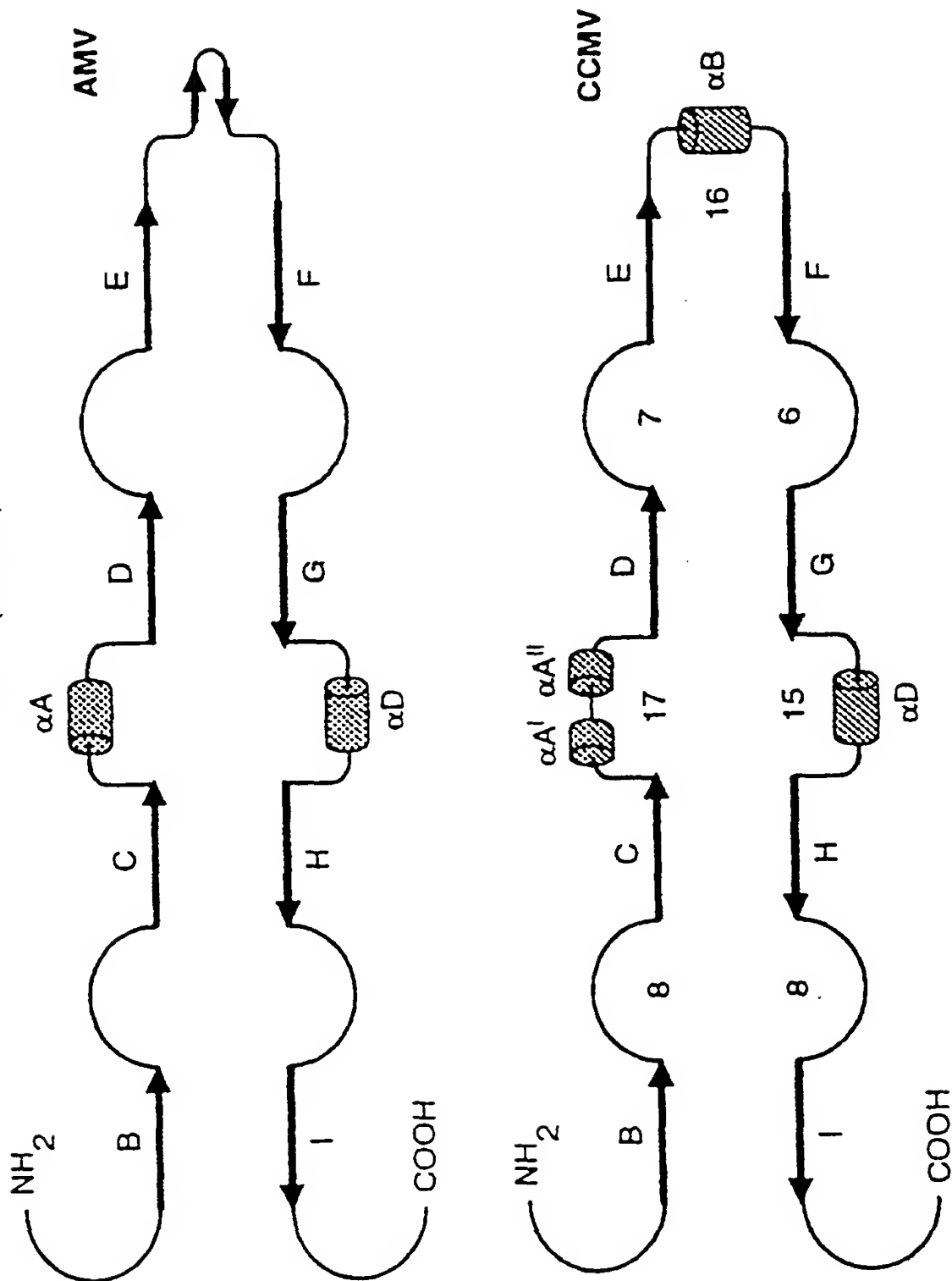
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FIG. 1 (contd.)



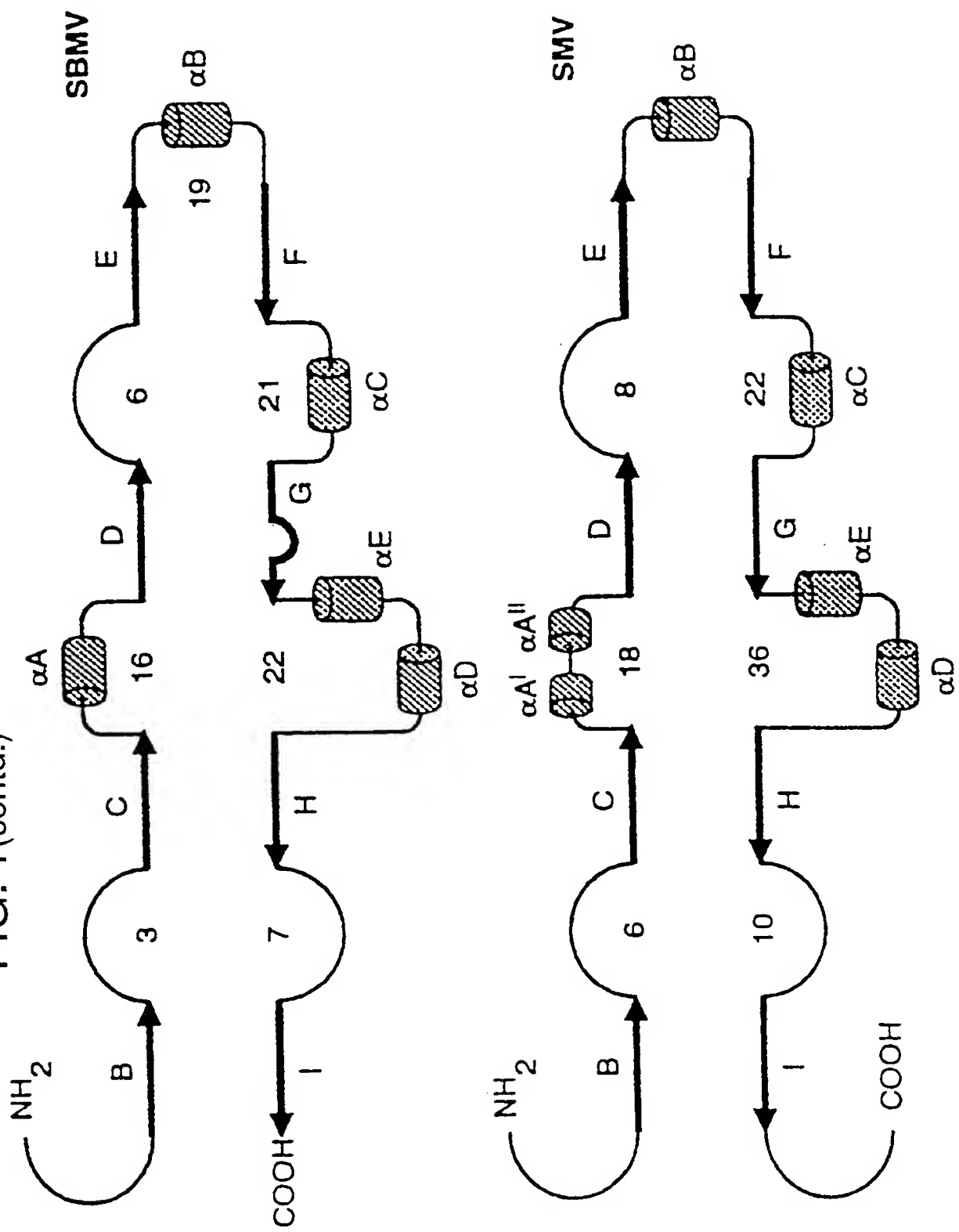
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FIG. 1(contd.)



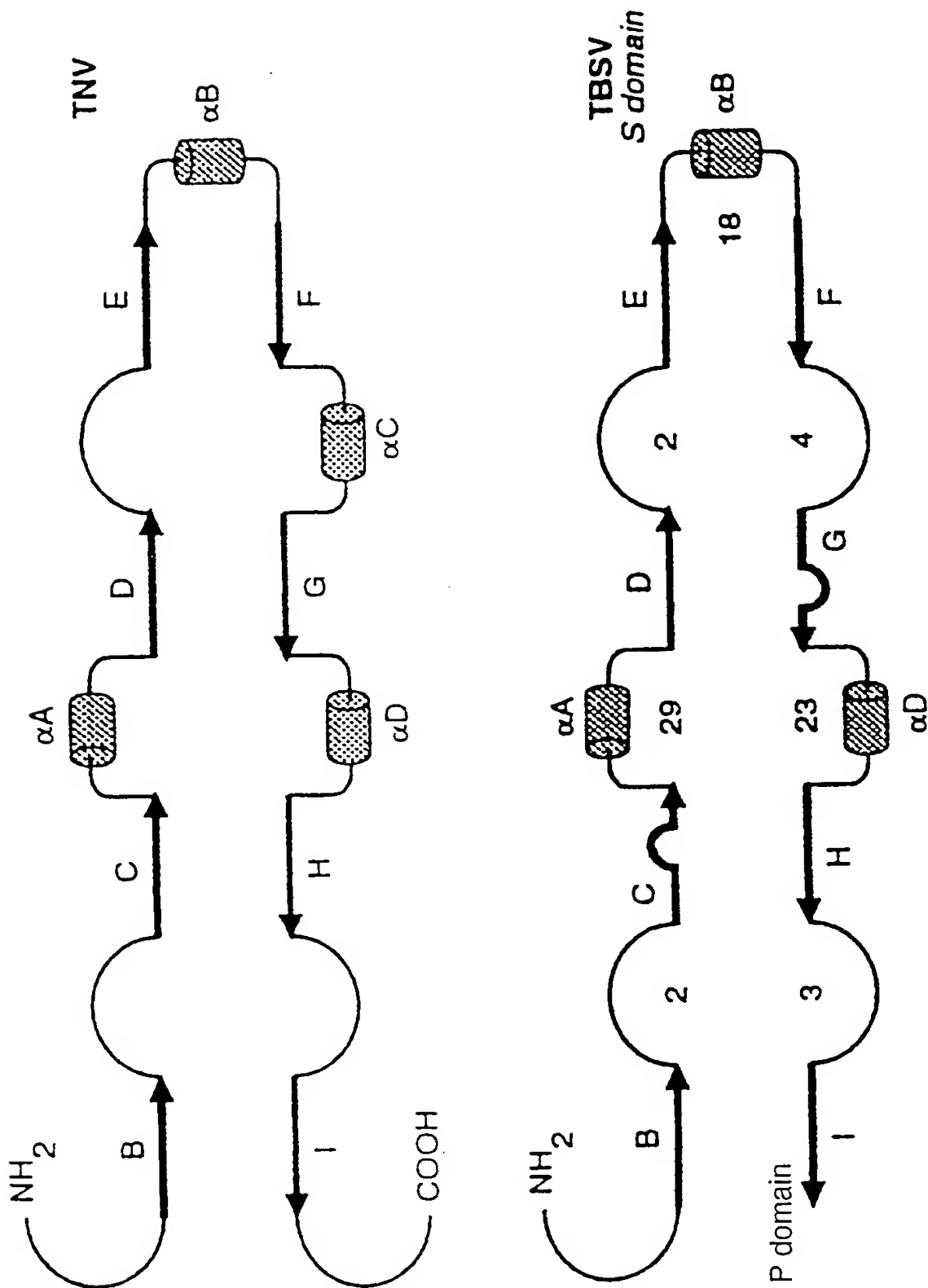
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FIG. 1 (contd.)



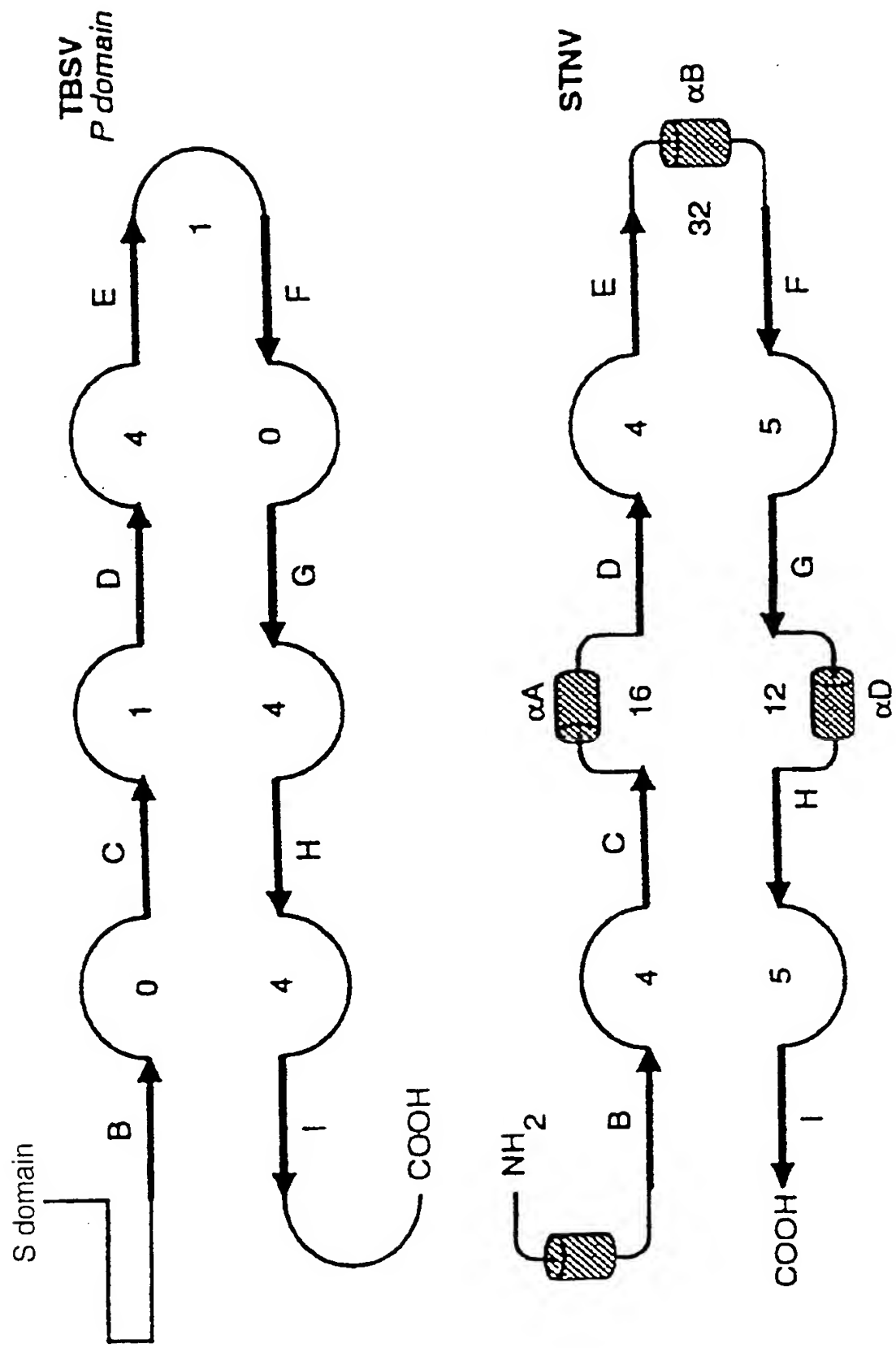
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FIG. 1(contd.)



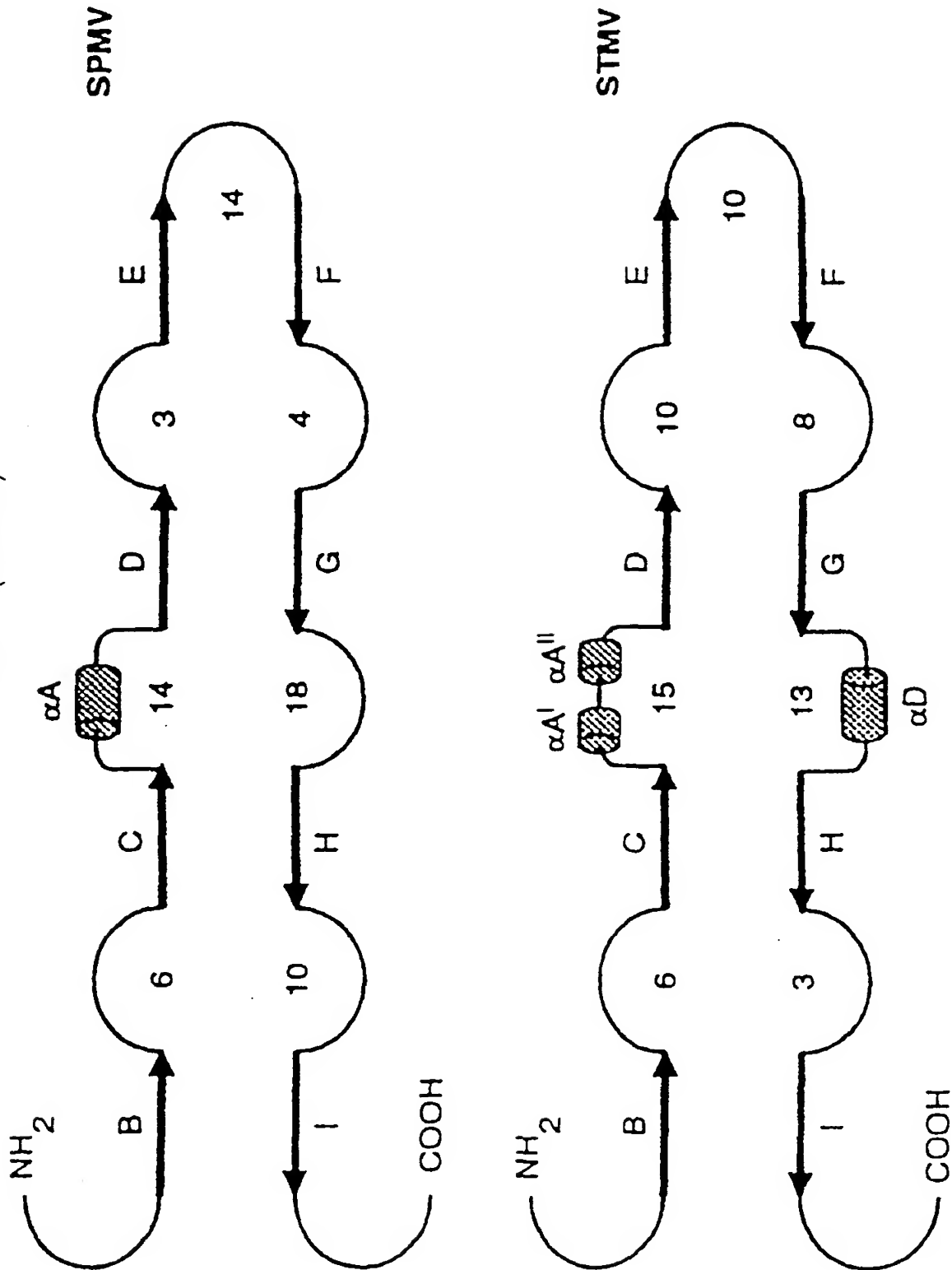
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FIG. 1 (contd.)



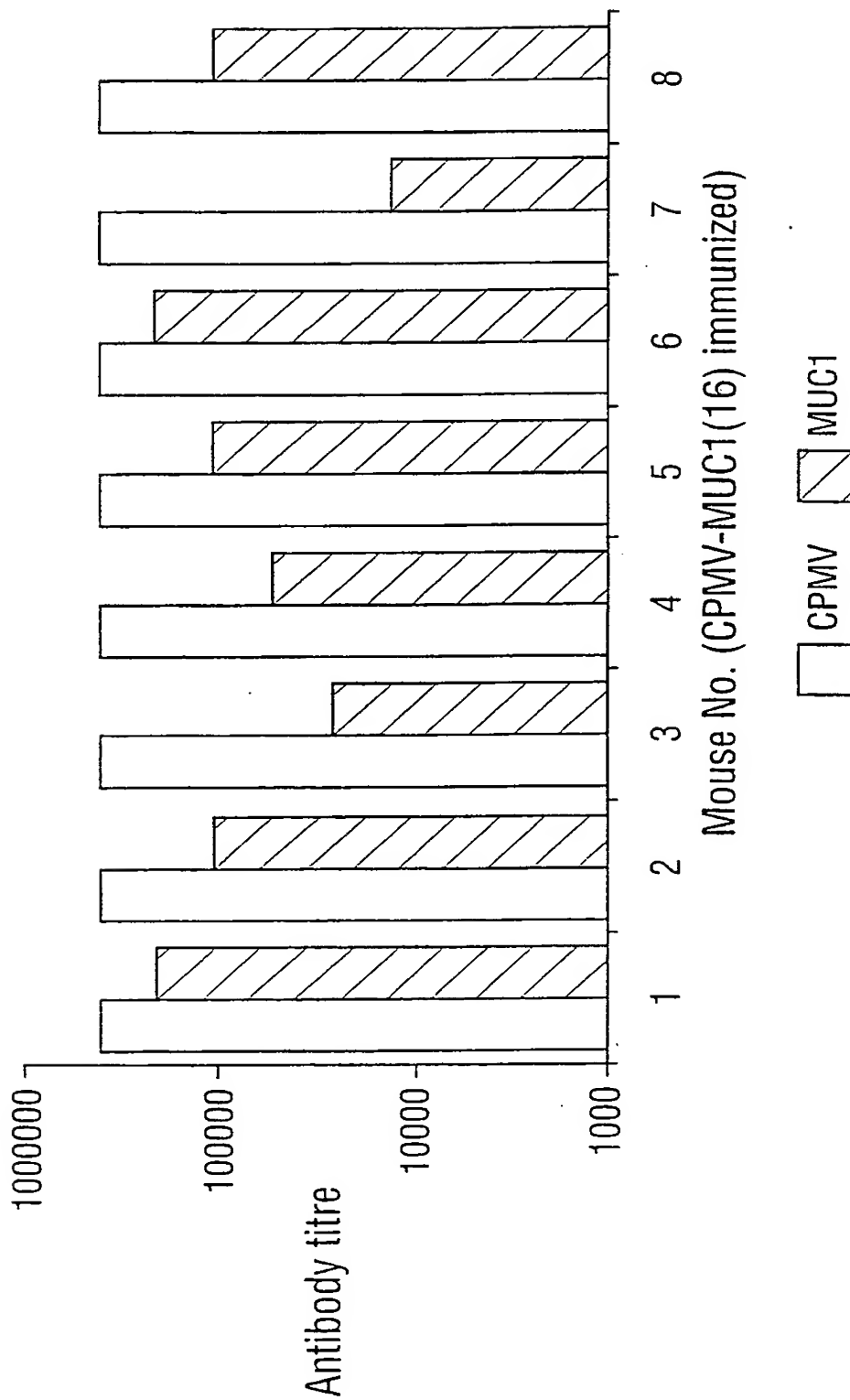
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FIG. 1(contd.)



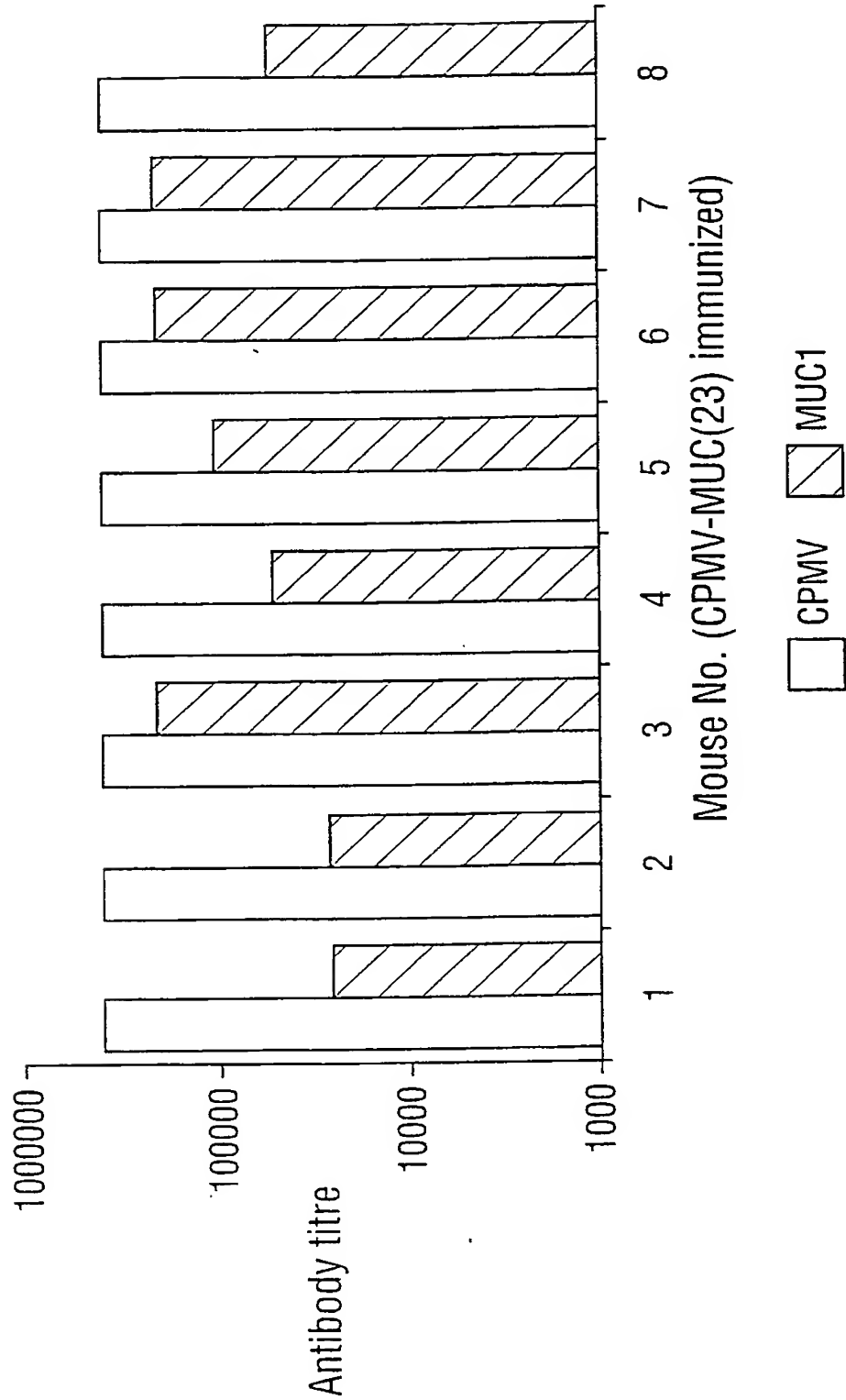
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FIG. 2A



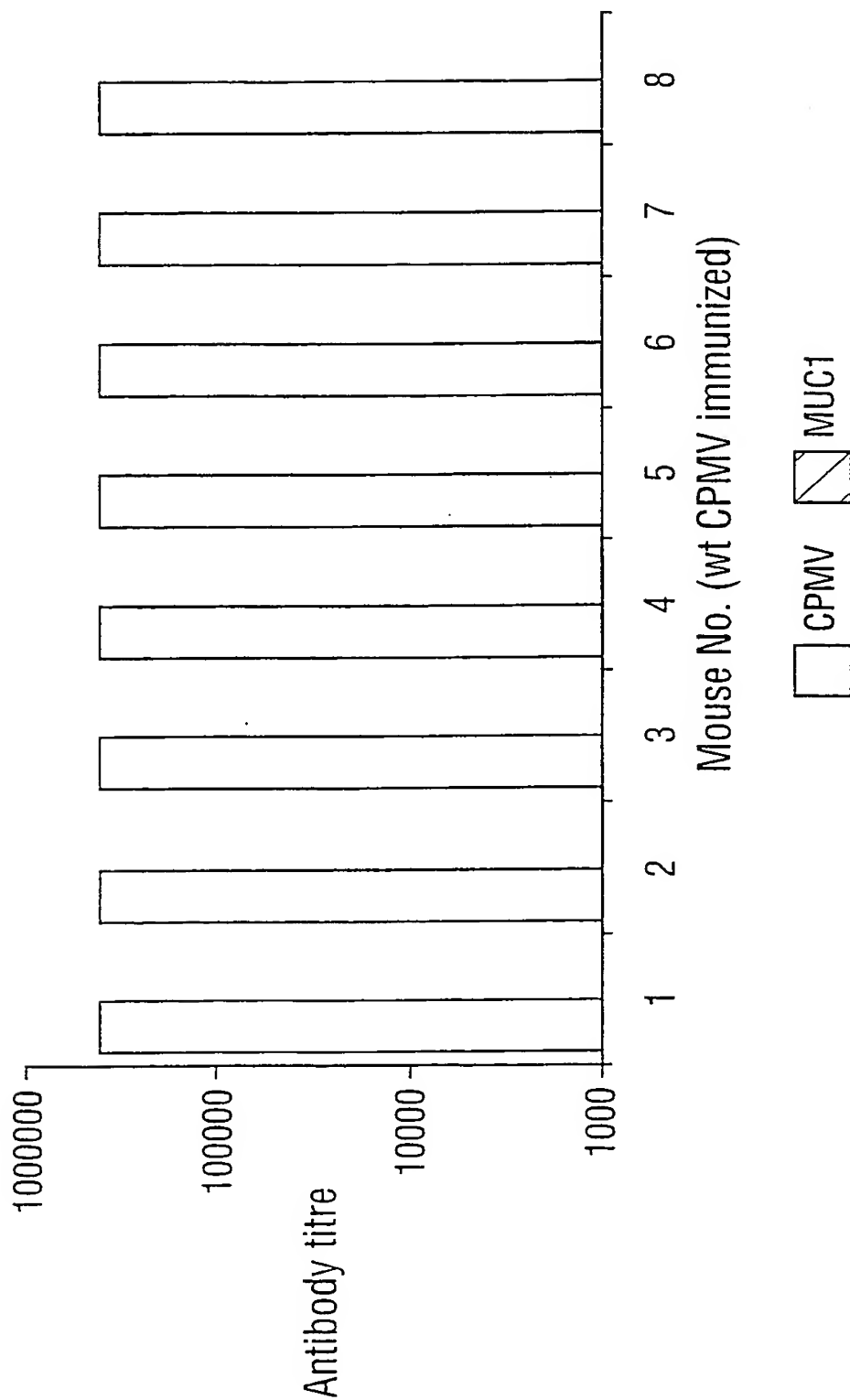
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FIG. 2B



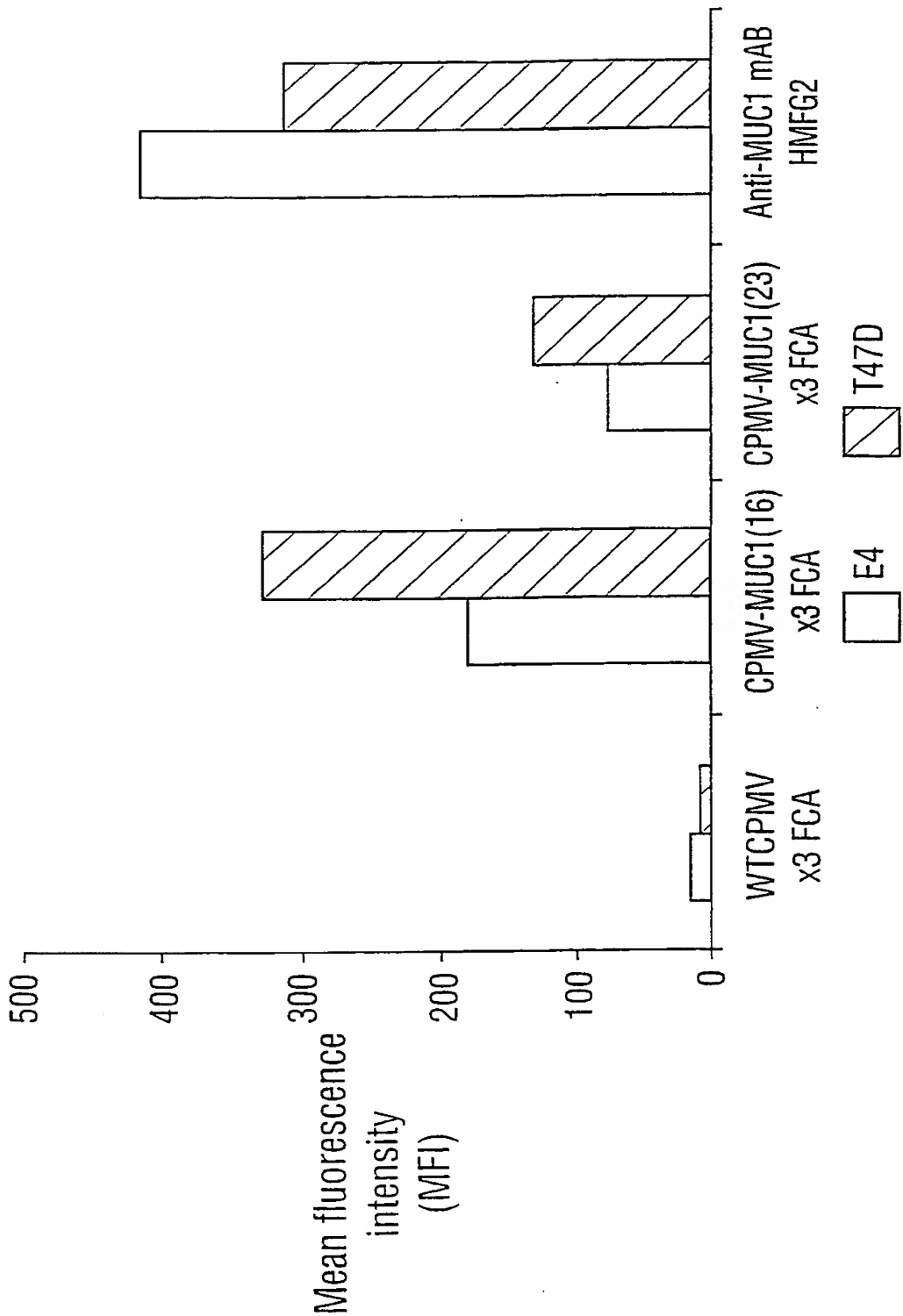
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FIG. 2C



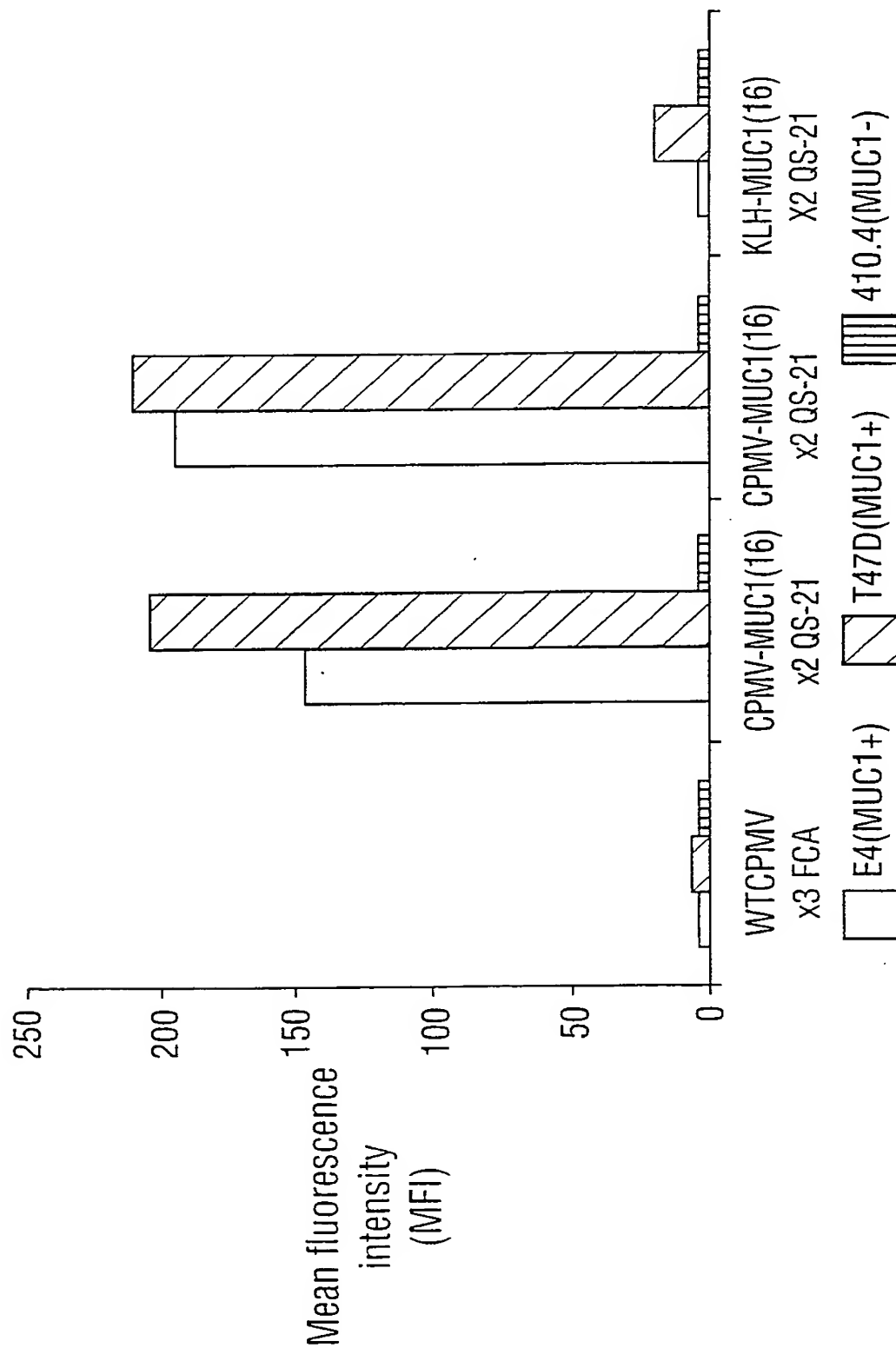
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FIG. 3A



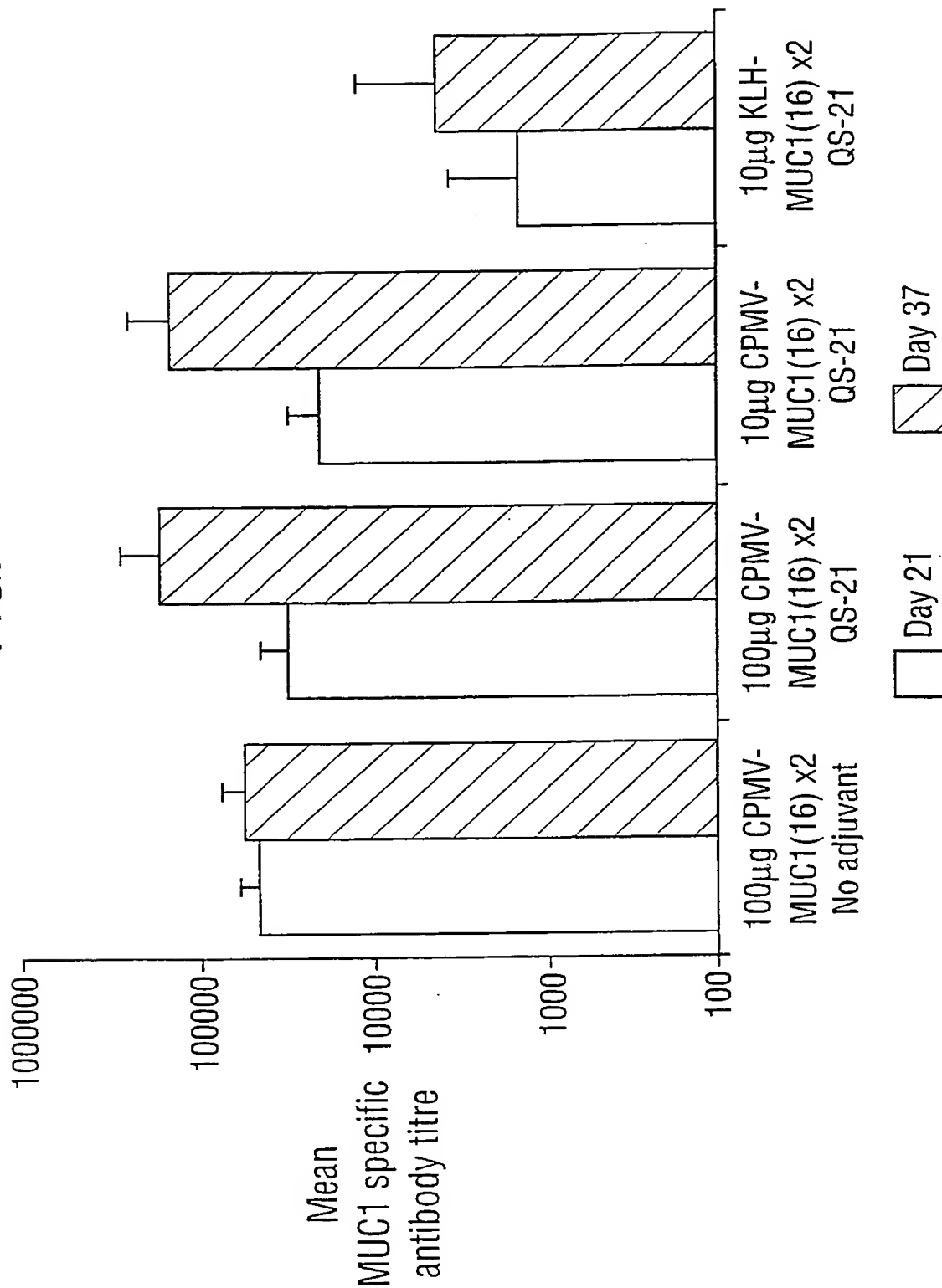
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FIG. 3B



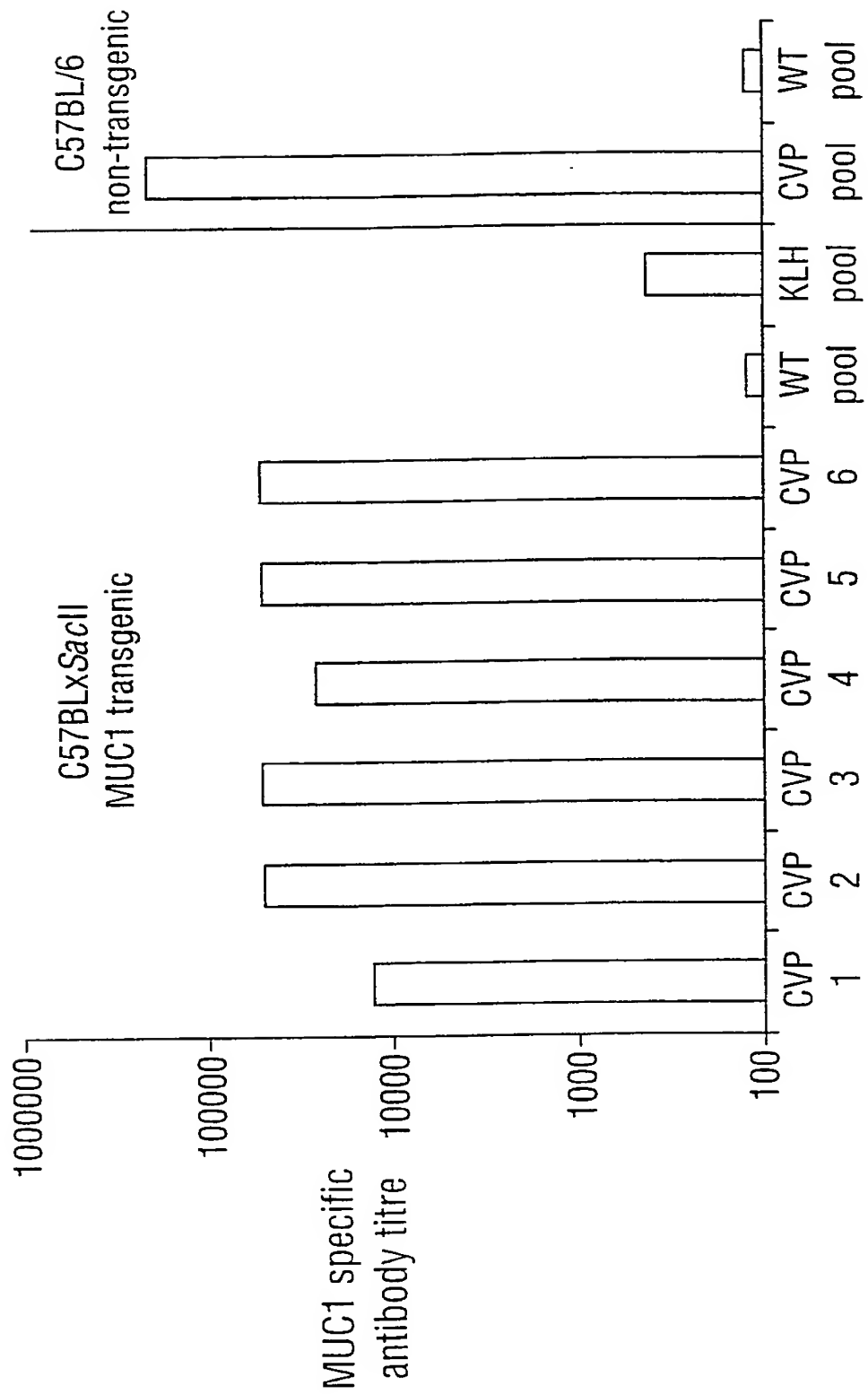
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FIG. 4



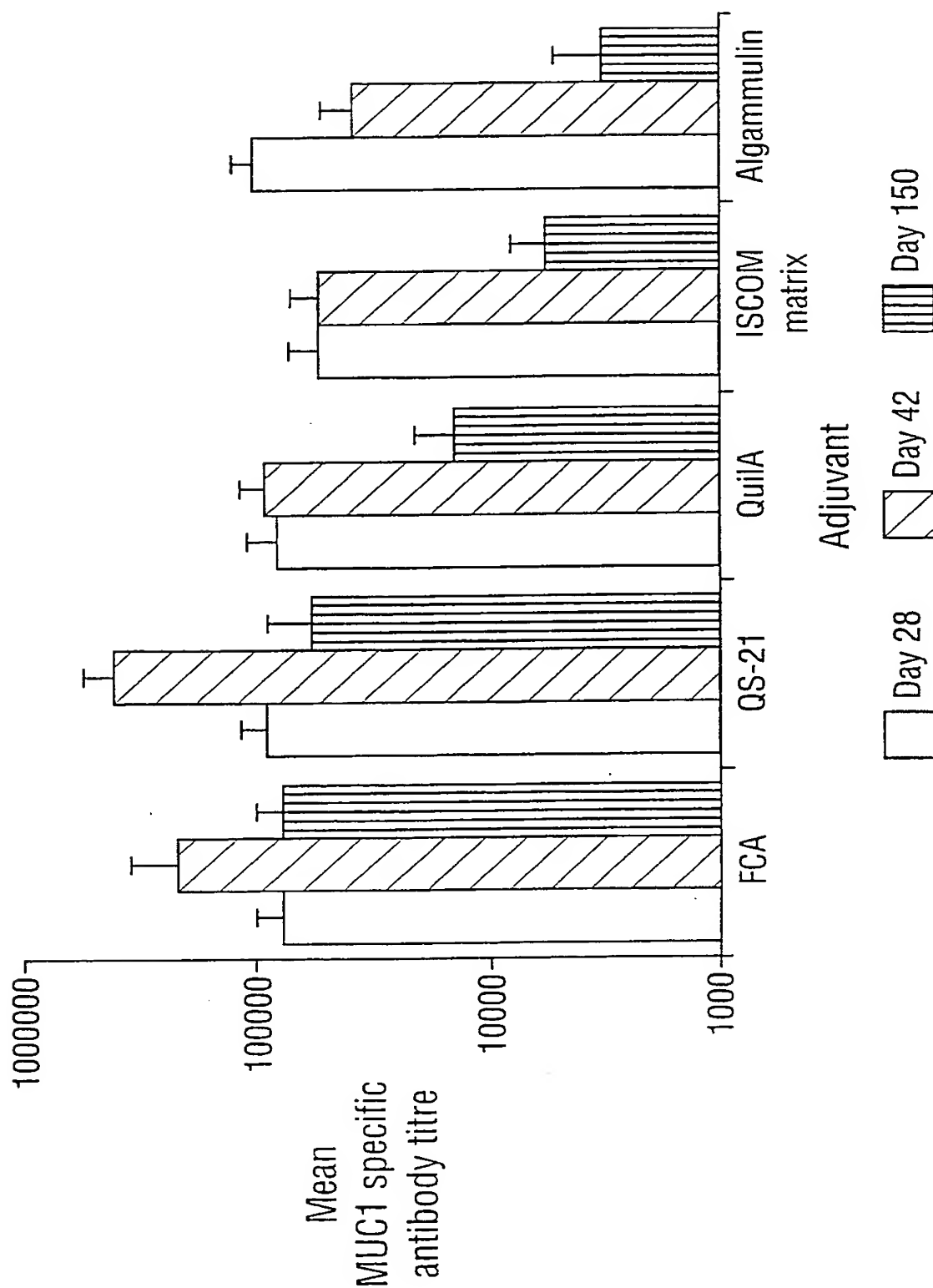
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FIG. 5



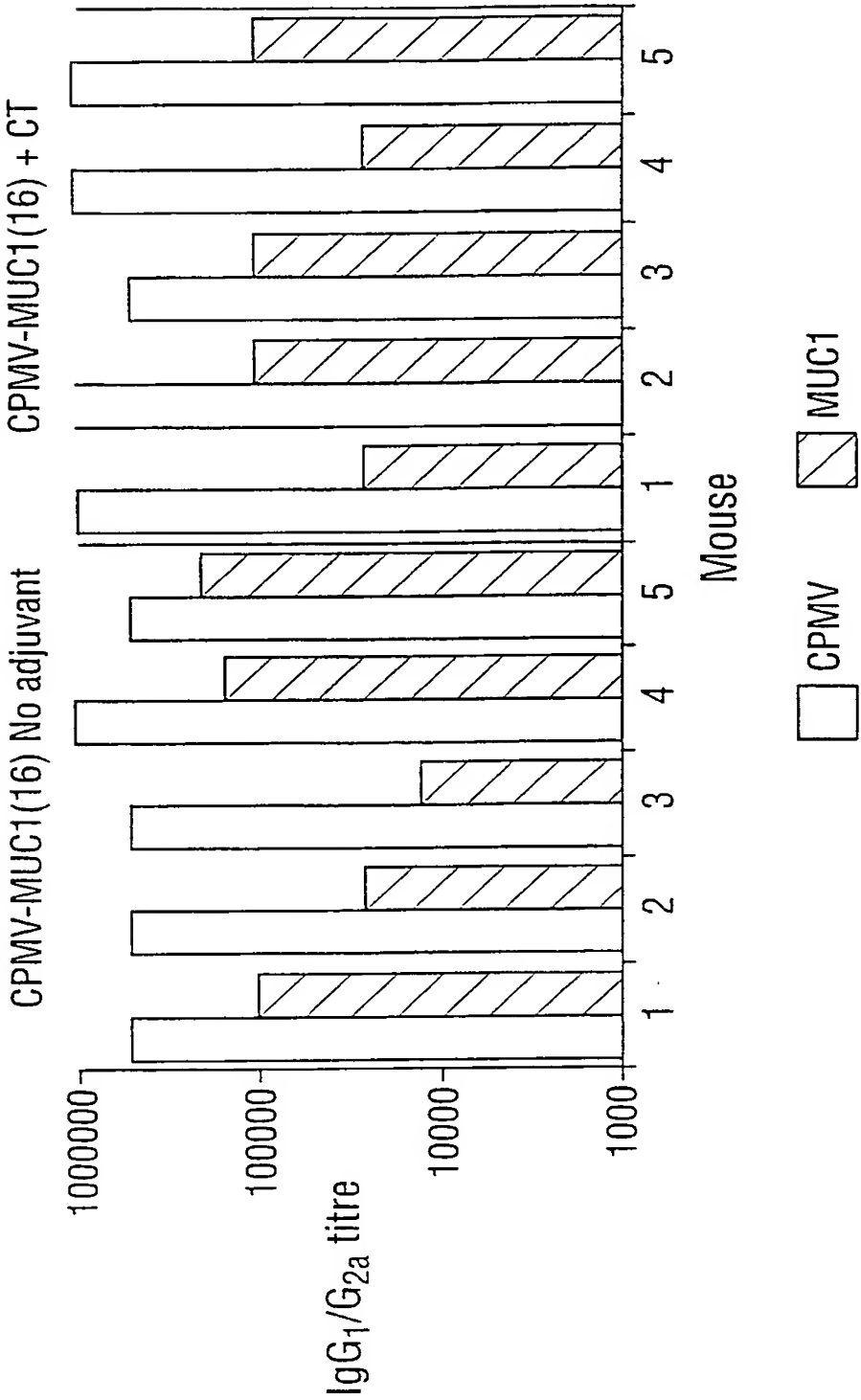
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FIG. 6



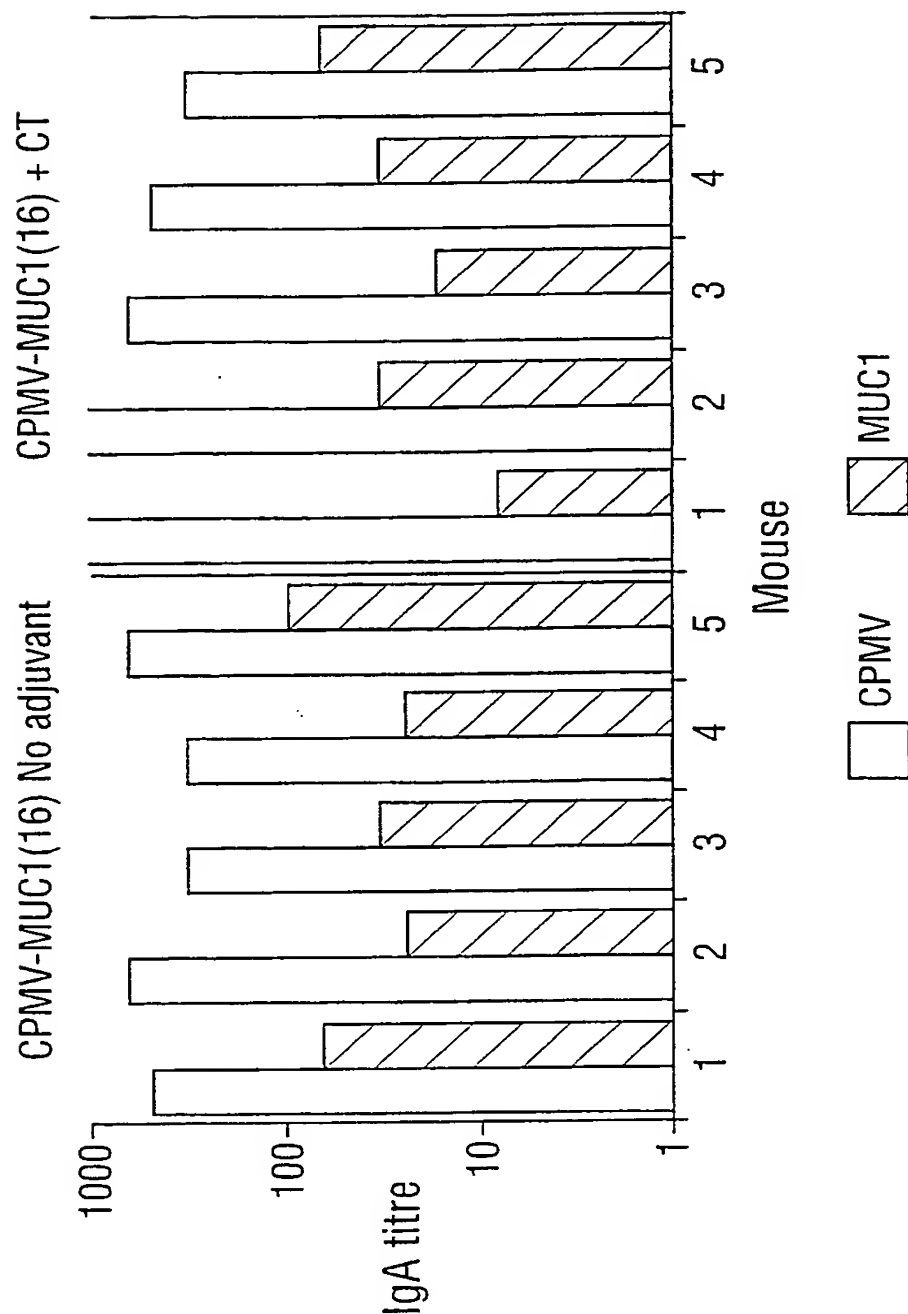
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FIG. 7A



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FIG. 7B



Sequence of SBMV Coat Protein Spanning The Potential Insertion Site With Introduced Base Changes and New Restriction Sites: (sequence starts at nt 3955)

FIG. 8(b)

G V T S A P D T R P A P G S T A
GGTGTACTTCTGCTCCTGATACTAGACCTGCTCCTGGTTCTACTGCT
CCACAATGAAGACGACCACTATGATCTGGACGAGGACCAAGATGACGA

GATCC	TCTAAGACTGCTGTT
G	AGATTCTGACGACAA
GATCCTCT	AAGACTGCTGTT
GAGA	TTCTGACGACAA
GATCCTCTAAG	ACTGCTGTT
GAGATTC	TGACGACAA
GATCCTCTAAGACT	GCTGTT
GAGATTCTGA	CGACAA
GATCCTCTAAGACTGCT	GTT
GAGATTCTGACGA	CAA

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FIG. 9

LTSV : NI---YAPARLTIAA-ANSSINIASVGTLYATYEVEL
 SBMV : NIGNILVPARLVIAAMEGGSSKTAVNTGRLYASYTIRL
 SMV : NIATDLVPARLVIALLDGSSSTAVAAGRIYASYTIQM
 #####
 βH loop βI

FIG. 13

	220	230	240
AA	ASIVQKYVIDLGGTLTSFEGPSYLMPP		
PHD sec	HHHHHEEEE EEEE EEEEE		
Rel sec	145432244525515625586487624		
detail :			
prH sec	46665532111110000000000000		
prE sec	101123456632246752212688753		
prL sec	422221112246642237787311246		
subset : SUB sec	..H.....E.LL.EE.LLLL.EEE..		

Abbreviations :

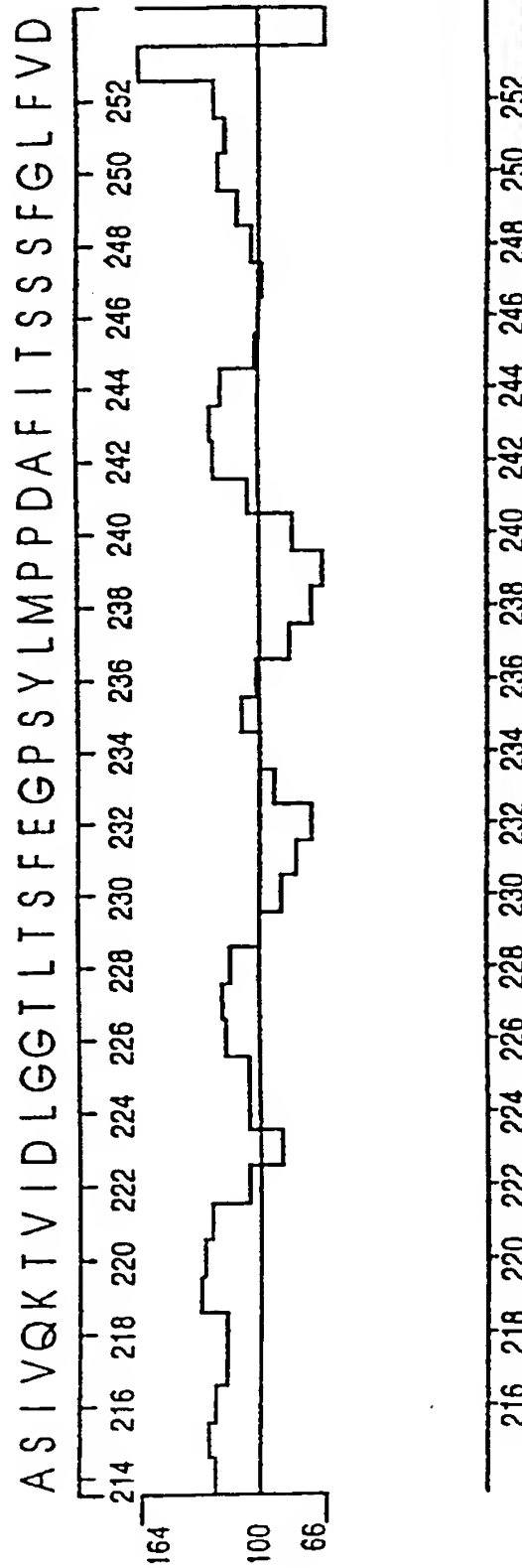
AA : amino acid sequence
 H : helix
 E : extended (sheet)
 blank : other (loop)
 PHD : Profile network prediction HeiDelberg
 Rel : Reliability index of prediction (0-9)
 prH : probability for assigning helix
 prE : probability for assigning strand
 prL : probability for assigning loop
 SUB : a subset of the prediction, for all residues with an average expected accuracy of
 >82%

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FIG. 12

Beta plot - Chou-Fasman



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FIG. 14(a)

Sequence of RCNMV Coat Protein Spanning The Potential Insertion Site With Introduced Base Changes and New Restriction Sites: (sequence starts at nt 3070)

S I V Q K T V I D L G G T L T S F
 AGCATCGTACAGAAACTGTAATTGATCTCGGTGGGACACTCACTTCTTTC
 ↓ ↓ ↓ ↓
 GTGCAC GTTAAC
 ApaLI HpaI

FIG. 14(b)

Series of Sequences to be Inserted Between the Restriction Sites to Insert the MUC1(16) Epitope at Various Locations

G V T S A P D T R P A P G S T A
 GGTGTTACTTCTGCTCCTGATACTAGACCTGCTCCTGGTTCTACTGCT
 CCACAATGAAGACGACCACTATGATCTGGACGAGGACCAAGATGACGA

← ↓ ↓ →

GAAAACTGTA ACGTCTTTTGACAT	ATTGATCTCGGTGGGACGTT TAACTAGAGCCACCCTGCAA
GAAAACTGTAATT ACGTCTTTTGACATTAA	GATCTCGGTGGGACGTT CTAGAGCCACCCTGCAA
GAAAACTGTAATTGAT ACGTCTTTTGACATTAATA	CTCGGTGGGACGTT GAGCCACCCTGCAA
GAAAACTGTAATTGATCTC ACGTCTTTTGACATTAAGTAGAG	GGTGGGACGTT CCACCCTGCAA
GAAAACTGTAATTGATCTCGGT ACGTCTTTTGACATTAAGTAGAGCCA	GGGACGTT CCCTGCAA
GAAAACTGTAATTGATCTCGGTGGG ACGTCTTTTGACATTAAGTAGAGCCCC	ACGTT TGCAA